

Date:

Grade 7: Math
1.6: Decimal Multiplication

Multiplying decimals:

1. Ignore the decimal point and multiply the two numbers.
2. Find out the total number of decimal places for both numbers combined. Make the final answer have these many decimal places.

Examples:

a) 4.45×3.2

$$\begin{array}{r} 4.45 \\ \times 3.2 \\ \hline \end{array}$$

b) 12.4×4.89

$$\begin{array}{r} 12.4 \\ \times 4.89 \\ \hline \end{array}$$

Evaluate:

a. 12.3×4.2

d. 3.23×0.2

i. 6.721×0.001

b. 7.04×5

e. 5×3.06

j. $3 \times 0.05 \times 0.6$

c. 23.34×5.7

f. 8.37×8

k. 100×34.65

Word Problems:

1. Simon buys 2.5kg of apples for \$2.35 per kg. What did Simon pay at the counter?
2. Marley buys 6 boxes of mangoes. Each box weighs 1.35 kg. What is the total weight of all boxes?
3. The length of a rectangle is 3.4m and its width is 1.25m. What is the area of the rectangle? [Area = length \times width]

- Homework: Textbook page 147, #4, 8, 9, 12a) i)